

0480 / 0170 #9



OIKE

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/051,874

DATE: 10/02/2002

TIME: 14:25:10

Input Set : A:\Cura5451.app

Output Set: N:\CRF4\10022002\J051874.raw

3 <110> APPLICANT: Padigaru, Muralidhara
 4 Alsobrook II, John P
 5 Colman, Steven D
 6 Spytek, Kimberly A
 7 Boldog, Ferenc
 8 Vernet, Corine AM
 9 Li, Li
 10 Shenoy, Suresh G
 11 Casman, Stacie J
 12 Guo, Xiaojia Sasha
 13 Edinger, Shlomit R
 14 MacDougall, John R
 15 Malyankar, Uriel M
 16 Patturajan, Meera
 17 Shimkets, Richard A
 18 Pena, Carol EA
 19 Tchernev, Velizar T
 20 Zerhusen, Bryan D
 21 Millet, Isabelle
 22 Miller, Charles E
 23 Lepley, Denise M
 24 Smithson, Glennda
 25 Baumgartner, Jason C
 26 Herrman, John L
 27 Peyman, John A
 28 Gorman, Linda
 29 Mezes, Peter D
 30 Kekuda, Ramesh
 31 Taupier Jr, Raymond J
 32 Gerlach, Valerie
 W--> 33 Grosse, William M
 W--> 34 Liu, Xiaohong
 W--> 35 Ellerman, Karen
 W--> 36 Rothenberg, Mark
 W--> 37 Stone, David J
 W--> 38 Burgess, Catherine E
 40 <120> TITLE OF INVENTION: PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF
 41 USING THE SAME
 43 <130> FILE REFERENCE: 21402-245
 45 <140> CURRENT APPLICATION NUMBER: 10/051,874
 C--> 46 <141> CURRENT FILING DATE: 2002-09-25
 48 <150> PRIOR APPLICATION NUMBER: 60/268,595
 49 <151> PRIOR FILING DATE: 2001-02-14

ENTERED

RAW SEQUENCE LISTING

DATE: 10/02/2002

PATENT APPLICATION: US/10/051,874

TIME: 14:25:10

Input Set : A:\Cura5451.app

Output Set: N:\CRF4\10022002\J051874.raw

```

51 <150> PRIOR APPLICATION NUMBER: 60/325,306
52 <151> PRIOR FILING DATE: 2001-09-27
54 <150> PRIOR APPLICATION NUMBER: 60/262,587
55 <151> PRIOR FILING DATE: 2001-01-18
57 <150> PRIOR APPLICATION NUMBER: 60/272,409
58 <151> PRIOR FILING DATE: 2001-02-28
60 <150> PRIOR APPLICATION NUMBER: 60/262,454
61 <151> PRIOR FILING DATE: 2001-01-18
63 <150> PRIOR APPLICATION NUMBER: 60/276,777
64 <151> PRIOR FILING DATE: 2001-03-16
66 <150> PRIOR APPLICATION NUMBER: 60/291,672
67 <151> PRIOR FILING DATE: 2001-05-17
69 <150> PRIOR APPLICATION NUMBER: 60/330,336
70 <151> PRIOR FILING DATE: 2001-10-18
72 <150> PRIOR APPLICATION NUMBER: 60/265,530
73 <151> PRIOR FILING DATE: 2001-01-31
75 <150> PRIOR APPLICATION NUMBER: 60/261,376
76 <151> PRIOR FILING DATE: 2001-01-16
78 <160> NUMBER OF SEQ ID NOS: 269
80 <170> SOFTWARE: PatentIn Ver. 2.1
82 <210> SEQ ID NO: 1
83 <211> LENGTH: 1455
84 <212> TYPE: DNA
85 <213> ORGANISM: Homo sapiens
87 <400> SEQUENCE: 1
88 cctgcagggt ctctcagccc cttttcacaa tatttgatta ggaatttggg gcgggaccct 60
89 ggtctggcac aggcacgcac actctcagta gactctttca ctctctctc tcttcctctc 120
90 tcacacgttc tccaacccaa ggaggccaga cagagggacg tggtcactct ctgaaaagtt 180
91 caacttgaga gacaaaatgc agtggaacct cctcctgctg ctggcagggc tcttctccct 240
92 ctcccaggcc cagtatgaag atgacctca ttggtgggtc cactacctcc gcagccagca 300
93 gtccacctac tacgatccct atgacctta cccgatgag acctacgagc cttaccctta 360
94 tggggtggat gaagggccag cctacacctt cggctctcca tcccctccag atcccccgca 420
95 ctgccccccag gaatgcgact gccaccccaa cttccccacg gccatgtact gtgacaatcg 480
96 caacctcaag tacctgccct tcgttccctc ccgcatgaag tatgtgtact tccagaacaa 540
97 ccagatcacc tccatccagg aaggcgtctt tgacaatgcc acagggctgc tctggattgc 600
98 tctccacggc aaccagatca ccagtgataa ggtgggcagg aaggtcttct ccaagctgag 660
99 gcacctggag aggtgtgacc tggaccacaa caacctgacc cggatgcccg gtcccctgcc 720
100 tcgatccctg agagagctcc atctcgacca caaccagatc tcacgggtcc ccaacaatgc 780
101 tctggagggg ctggagaacc tcacggcctt gtacctccaa cacaatgaga tccaggaagt 840
102 gggcagttcc atgaggggcc tccggtcact gatcttgctg gacctgagtt ataaccacct 900
103 tcggaagggt cctgatgggc tgccctcagc tcttgagcag ctgtacatgg agcacaacaa 960
104 tgtctacacc gtccccgata gctacttccg gggggcgccc aagctgctgt atgtgcggct 1020
105 gtcccacaa acgtctaacca acaatggcct ggcctccaac accttcaatt ccagcagcct 1080
106 ccttgagcta gacctctcct acaaccagct gcagaagatc cccccagtca acaccaacct 1140
107 ggagaacctc tacctccaag gcaataggat caatgagttc tccatccagg aaggcgtctt 1200
108 tgacaatgcc acagggctgc tctggattgc tctccacggc aacttctcca cggccatgta 1260
109 ctgtgacaat cgcaacctca agtacctgcc cttcgttccc tcccgcagta agtatgtgta 1320
110 cttccagaac aaccagatca cctccaagct gcaggtgctg cgcctggacg ggaacgagat 1380
111 caagcgcagc gccatgcctg ccgacgcgcc cctctgcctg cgccttgcca gcctcatcga 1440

```

RAW SEQUENCE LISTING

DATE: 10/02/2002

PATENT APPLICATION: US/10/051,874

TIME: 14:25:10

Input Set : A:\Cura5451.app

Output Set: N:\CRF4\10022002\J051874.raw

1455

```

112 gatctgagca gccct
115 <210> SEQ ID NO: 2
116 <211> LENGTH: 416
117 <212> TYPE: PRT
118 <213> ORGANISM: Homo sapiens
120 <400> SEQUENCE: 2
121 Met Gln Trp Thr Ser Leu Leu Leu Leu Ala Gly Leu Phe Ser Leu Ser
122 1 5 10 15
124 Gln Ala Gln Tyr Glu Asp Asp Pro His Trp Trp Phe His Tyr Leu Arg
125 20 25 30
127 Ser Gln Gln Ser Thr Tyr Tyr Asp Pro Tyr Asp Pro Tyr Pro Tyr Glu
128 35 40 45
130 Thr Tyr Glu Pro Tyr Pro Tyr Gly Val Asp Glu Gly Pro Ala Tyr Thr
131 50 55 60
133 Tyr Gly Ser Pro Ser Pro Pro Asp Pro Arg Asp Cys Pro Gln Glu Cys
134 65 70 75 80
136 Asp Cys Pro Pro Asn Phe Pro Thr Ala Met Tyr Cys Asp Asn Arg Asn
137 85 90 95
139 Leu Lys Tyr Leu Pro Phe Val Pro Ser Arg Met Lys Tyr Val Tyr Phe
140 100 105 110
142 Gln Asn Asn Gln Ile Thr Ser Ile Gln Glu Gly Val Phe Asp Asn Ala
143 115 120 125
145 Thr Gly Leu Leu Trp Ile Ala Leu His Gly Asn Gln Ile Thr Ser Asp
146 130 135 140
148 Lys Val Gly Arg Lys Val Phe Ser Lys Leu Arg His Leu Glu Arg Leu
149 145 150 155 160
151 Tyr Leu Asp His Asn Asn Leu Thr Arg Met Pro Gly Pro Leu Pro Arg
152 165 170 175
154 Ser Leu Arg Glu Leu His Leu Asp His Asn Gln Ile Ser Arg Val Pro
155 180 185 190
157 Asn Asn Ala Leu Glu Gly Leu Glu Asn Leu Thr Ala Leu Tyr Leu Gln
158 195 200 205
160 His Asn Glu Ile Gln Glu Val Gly Ser Ser Met Arg Gly Leu Arg Ser
161 210 215 220
163 Leu Ile Leu Leu Asp Leu Ser Tyr Asn His Leu Arg Lys Val Pro Asp
164 225 230 235 240
166 Gly Leu Pro Ser Ala Leu Glu Gln Leu Tyr Met Glu His Asn Asn Val
167 245 250 255
169 Tyr Thr Val Pro Asp Ser Tyr Phe Arg Gly Ala Pro Lys Leu Leu Tyr
170 260 265 270
172 Val Arg Leu Ser His Asn Ser Leu Thr Asn Asn Gly Leu Ala Ser Asn
173 275 280 285
175 Thr Phe Asn Ser Ser Ser Leu Leu Glu Leu Asp Leu Ser Tyr Asn Gln
176 290 295 300
178 Leu Gln Lys Ile Pro Pro Val Asn Thr Asn Leu Glu Asn Leu Tyr Leu
179 305 310 315 320
181 Gln Gly Asn Arg Ile Asn Glu Phe Ser Ile Gln Glu Gly Val Phe Asp
182 325 330 335
184 Asn Ala Thr Gly Leu Leu Trp Ile Ala Leu His Gly Asn Phe Ser Thr

```

RAW SEQUENCE LISTING

DATE: 10/02/2002

PATENT APPLICATION: US/10/051,874

TIME: 14:25:10

Input Set : A:\Cura5451.app

Output Set: N:\CRF4\10022002\J051874.raw

```

185          340          345          350
187 Ala Met Tyr Cys Asp Asn Arg Asn Leu Lys Tyr Leu Pro Phe Val Pro
188          355          360          365
190 Ser Arg Met Lys Tyr Val Tyr Phe Gln Asn Asn Gln Ile Thr Ser Lys
191          370          375          380
193 Leu Gln Val Leu Arg Leu Asp Gly Asn Glu Ile Lys Arg Ser Ala Met
194 385          390          395          400
196 Pro Ala Asp Ala Pro Leu Cys Leu Arg Leu Ala Ser Leu Ile Glu Ile
197          405          410          415
203 <210> SEQ ID NO: 3
204 <211> LENGTH: 965
205 <212> TYPE: DNA
206 <213> ORGANISM: Homo sapiens
208 <400> SEQUENCE: 3
209 aaggaggcca gacagaggga cgtgggtcact tctctgaaaa gttcaacttg agcaaaatgc 60
210 agtggacctc cctctgctg ctggcagggc tcttctccct ctcccaggcc cagtatgaag 120
211 atgacctca ttggtggttc cactacctcc gcagccagca gtccacctac tacgatccct 180
212 atgacctta cccgtatgag acctacgagc cttaccctta tgggggtggat gaagggccag 240
213 cctacaccta cggctctcca tcccctccag atccccgcga ctgccccccag gaatgcgact 300
214 gcccacccaa cttccccacg gccatgtact gtgacaatcg caacctcaag tacctgcctc 360
215 gatccctgag agagctccat ctcgaccaca accagatctc acgggtcccc aacaatgctc 420
216 tggaggggct ggagaacctc acggccttgt acctccaaca caatgagatc cagggaagtgg 480
217 gcagttccat gaggggcctc cgtcactgt acttgctgga cctgagttat aaccaccttc 540
218 ggaaggtgcc tgatgggctg cctcagctc ttgagcagct gtacatggag cacaacaatg 600
219 tctacaccgt ccccgatagc tacttccggg gggcgcccaa gctgctgtat gtgcggctgt 660
220 cccacaaccag tctaaccaac aatggcctgg cctccaacac cttcaattcc agcagcctcc 720
221 ttgagctaga cctctcctac aaccagctgc agaagatccc cccagtcaac accaacctgg 780
222 agaacctcta cctccaaggc aataggatca atgagttctc catcagcagc ttctgcaccg 840
223 tgggtggacgt cgtgaacttc tcccagctgc aggtcgtgcg gctggacggg aacgagatga 900
224 agcggagcgc catgcctgcc gaggcgcccc tctgcctgcg ccttgccagc ctcacgaga 960
225 tctga 965
228 <210> SEQ ID NO: 4
229 <211> LENGTH: 302
230 <212> TYPE: PRT
231 <213> ORGANISM: Homo sapiens
233 <400> SEQUENCE: 4
234 Met Gln Trp Thr Ser Leu Leu Leu Leu Ala Gly Leu Phe Ser Leu Ser
235 1 5 10 15
237 Gln Ala Gln Tyr Glu Asp Asp Pro His Trp Trp Phe His Tyr Leu Arg
238 20 25 30
240 Ser Gln Gln Ser Thr Tyr Tyr Asp Pro Tyr Asp Pro Tyr Pro Tyr Glu
241 35 40 45
243 Thr Tyr Glu Pro Tyr Pro Tyr Gly Val Asp Glu Gly Pro Ala Tyr Thr
244 50 55 60
246 Tyr Gly Ser Pro Ser Pro Pro Asp Pro Arg Asp Cys Pro Gln Glu Cys
247 65 70 75 80
249 Asp Cys Pro Pro Asn Phe Pro Thr Ala Met Tyr Cys Asp Asn Arg Asn
250 85 90 95
252 Leu Lys Tyr Leu Pro Arg Ser Leu Arg Glu Leu His Leu Asp His Asn

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/051,874

DATE: 10/02/2002

TIME: 14:25:10

Input Set : A:\Cura5451.app

Output Set: N:\CRF4\10022002\J051874.raw

```

253          100          105          110
255 Gln Ile Ser Arg Val Pro Asn Asn Ala Leu Glu Gly Leu Glu Asn Leu
256          115          120          125
258 Thr Ala Leu Tyr Leu Gln His Asn Glu Ile Gln Glu Val Gly Ser Ser
259          130          135          140
261 Met Arg Gly Leu Arg Ser Leu Tyr Leu Leu Asp Leu Ser Tyr Asn His
262 145          150          155          160
264 Leu Arg Lys Val Pro Asp Gly Leu Pro Ser Ala Leu Glu Gln Leu Tyr
265          165          170          175
267 Met Glu His Asn Asn Val Tyr Thr Val Pro Asp Ser Tyr Phe Arg Gly
268          180          185          190
270 Ala Pro Lys Leu Leu Tyr Val Arg Leu Ser His Asn Ser Leu Thr Asn
271          195          200          205
273 Asn Gly Leu Ala Ser Asn Thr Phe Asn Ser Ser Ser Leu Leu Glu Leu
274          210          215          220
276 Asp Leu Ser Tyr Asn Gln Leu Gln Lys Ile Pro Pro Val Asn Thr Asn
277 225          230          235          240
279 Leu Glu Asn Leu Tyr Leu Gln Gly Asn Arg Ile Asn Glu Phe Ser Ile
280          245          250          255
282 Ser Ser Phe Cys Thr Val Val Asp Val Val Asn Phe Ser Gln Leu Gln
283          260          265          270
285 Val Val Arg Leu Asp Gly Asn Glu Met Lys Arg Ser Ala Met Pro Ala
286          275          280          285
288 Glu Ala Pro Leu Cys Leu Arg Leu Ala Ser Leu Ile Glu Ile
289          290          295          300
292 <210> SEQ ID NO: 5
293 <211> LENGTH: 1139
294 <212> TYPE: DNA
295 <213> ORGANISM: Homo sapiens
297 <400> SEQUENCE: 5
298 aaggaggcca gacagagga cgtggtcact tctctgaaaa gttcaacttg agcaaaatgc 60
299 agtggacctc cctctgctg ctggcagggc tcttctccct ctcccaggcc cagtatgaag 120
300 atgacctca ttggtggttc cactacctcc gcagccagca gtccacctac tacgatccct 180
301 atgacctta cccgtatgag acctacgagc cttaccccta tggggtggat gaagggccag 240
302 cctacaccta cggctctcca tcccctccag atccccgcga ctgccccag gagtgcgact 300
303 gccacccaa cttccccacg gccatgtact gtgacaatcg caacctcaag tacctgccct 360
304 tcgttccctc ccgcatgaag tatgtgtact tccagaacaa ccagatcacc tccatccagg 420
305 aaggcgtctt tgacaatgcc acagggctgc tctggattgc tctccacggc aaccagatca 480
306 ccagtataaa ggtgggcagg aaggtcttct ccaagctgag gcacctggag aggctgtacc 540
307 tggaccacaa caacctgacc cggatgcccg gtcccctgcc tcgatccctg agagagctcc 600
308 atctcgacca caaccagatc tcacgggtcc ccaacaatgc tctggagggg ctggagaacc 660
309 tcacggcctt gtacctcaa cacaatgaga tccaggaagt gggcagttcc atgaggggcc 720
310 tccggtcact gtacttgctg gacctgagtt ataaccacct tcggaaggtg cctgatgggc 780
311 tgccctcagc tcttgagcag ctgtacatgg agcacaacaa tgtctacacc gtccccgata 840
312 gctacttccg gggggcgccc aagctgctgt atgtgcggct gtcccacaac agtctaacca 900
313 acaatggcct ggccccaac accttcaatt ccagcagcct ccttgagcta gacctctcct 960
314 acaaccagct gcagaagatc cccccagtc aacaccatcag cagcttctgc accgtggtgg 1020
315 acgtcgtgaa cttctccag ctgcaggctg tgcggctgga cggaacgag atgaagcgga 1080
316 gcgccaatgcc tgccgaggcg cccctctgcc tgcgccttgc cagcctcatc gagatctga 1139

```